

Inventor: Frank Poma
Serial No. 10/064,075
May 3, 2005

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Please amend the claims as follows:

1. (previously allowed) A panel having intrinsic columnar support and intrinsic means for facilitating placement of the panel for tilt-up wall construction of a high strength structure, comprising:

a concrete construction panel, including means for securing the panel to a single element footer located at the bottom of the panel;

a plurality of intrinsic columnar supports in each panel, comprising means for reinforcing the supports centrally located within the supports, wherein

said means for reinforcing the supports terminate in one or more straight-ended generally vertical rod members for placement in complementary voids in the footer,

said rod member is adapted for welding attachment to the footer, and

said footer allowing voids that correspond to the ends coming out of the bottom walls to be pre-drilled into the footer; and

means for facilitating the placement of the panels in cooperative connection with the means for reinforcing the supports, wherein the means for reinforcement comprises a plurality of vertical reinforcement bars,

wherein the means for securing the panel comprises a horizontal structural weld plate on an inside face of the bottom portion of the panel, and

an extension of at least a portion of the vertical reinforcement bar below the bottom of the panel, whereby welding of the weld plate provides structural reinforcement of the panel.

2. (previously cancelled).

3. (previously cancelled).

an extension of at least a portion of the vertical reinforcement bar below the bottom of the panel, whereby welding of the weld plate provides structural reinforcement of the panel.

4. (previously allowed) The panel of claim 1, wherein the extension of the vertical reinforcement bar comprises approximately six inches of a number 8 reinforcement bar.

5. (previously allowed) The panel of claim 1, wherein the panel further comprises one or more weld plates located generally at the top of the intrinsic columnar supports.

6. (previously cancelled).

7. (previously allowed) The panel of claim 4, wherein the means for facilitating is located approximately two-thirds up the height of the panel.

8. (previously allowed) The panel of claim 7, wherein the means for facilitating is at least one receptor for a lifting eyelet, whereby the panel is positioned by a means for lifting the panel using the extension of the reinforcement bar and at least one lifting eyelet located within the receptor as lifting points.

9. (currently cancelled) Please cancel claim 9, without prejudice.

10. (previously cancelled).

11. (previously cancelled).

12. (previously cancelled).

13. (previously cancelled).

14. (previously cancelled).

15. (previously allowed) A method for building a tilt-up wall structure, comprising the steps of:

forming a first panel and a second panel, each panel comprising:

at least one chamfered side; and

a plurality of straight reinforcement bar extensions at intervals on the bottom of each panel;

providing at least one monolithic footer;

filling the holes with grout; and

placing each panel on the footer so that the extensions are located within the holes, said footer allowing voids that correspond to the extensions coming out of the bottom walls to be pre-drilled into the footer;

further comprising the step of:

placing at least one pin on a side of the first panel;

placing the second panel adjacent to the pin; and

filling space formed between the first panel and the second panel above the pin with an appropriate material.

16. (previously allowed) The method of claim 15, wherein the first panel and the second panel each further comprise metal plates located at least approximately halfway up the chamfered side, further comprising the step of welding the plates together before the step of filling the space.

17. (previously allowed) The method of claim 16, further comprising the step of caulking the space between the first panel and the second panel after the step of welding the plates.

18. (previously allowed) The method of claim 15, wherein the pin comprises a material of high compressive strength.

19. (previously allowed) The method of claim 15, wherein the appropriate material comprises at least one of the following group: epoxy, caulk and grout.

20. (previously cancelled).

21. (previously cancelled).

22. (previously cancelled).

23. (previously cancelled).

24. (previously allowed) A method for building a tilt-up wall structure, comprising the steps of:

forming a first panel and a second panel, each panel comprising:

at least one chamfered side; and

a plurality of reinforcement bar extensions at intervals on the bottom of each panel;

providing at least one footer with holes complementary to the extensions;

filling the holes with grout;

placing each panel on the footer so that the extensions are located within the holes;

placing at least one insert on a side of the first panel;

placing the second panel adjacent to the insert; and

filling space formed between the first panel and the second panel above the insert with an appropriate material.

25. (previously allowed) The method of claim 24, wherein the first panel and the second panel each further comprise metal plates located at least approximately halfway up the chamfered side, further comprising the step of welding the plates together before the step of filling the space.

26. (previously allowed) The method of claim 25, further comprising the step of caulking the space between the first panel and the second panel after the step of welding the plates.

27. (previously allowed) The method of claim 24, wherein the pin comprises a material of high compressive strength.

28. (previously allowed) The method of claim 24, wherein the appropriate material comprises at least one of the following group: epoxy, caulk and grout.

29. (previously allowed) A method for building a tilt-up wall structure, comprising the steps of:

forming a first panel and a second panel, each panel comprising:

at least one chamfered side; and

a plurality of straight reinforcement bar extensions at intervals on the bottom of each panel;

providing at least one monolithic footer with holes complementary to the extensions;

filling the holes with grout; and

placing each panel on the footer so that the extensions are located within the holes, further comprising the step of:

placing at least one pin on a side of the first panel;

placing the second panel adjacent to the pin; and

filling space formed between the first panel and the second panel above the pin with an appropriate material.

30. (previously allowed) The method of claim 29, wherein the first panel and the second panel each further comprise metal plates located at least approximately halfway up the chamfered side, further comprising the step of welding the plates together before the step of filling the space.

31. (previously allowed) The method of claim 30, further comprising the step of caulking the space between the first panel and the second panel after the step of welding the plates.

32. (previously allowed) The method of claim 29, wherein the pin comprises a material of high compressive strength.

33. (previously allowed) The method of claim 29, wherein the appropriate material comprises at least one of the following group: epoxy, caulk and grout.

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REMARKS

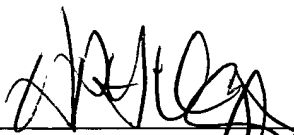
Pursuant to the Advisory Action dated April 21st, 2005, and the Final Office Action dated December 3rd, 2004, the applicant has filed this second Amendment after to place this case in condition for allowance. The only remaining issue was the rejection of Claim 9, which the Applicant has cancelled herein. The remaining claims of record have been previously allowed by the Examiner.

Applicant has filed concurrently herewith, a two (2) month extension of time, to respond to the outstanding Office Action.

Any further fee requirements that are due, please bill our Deposit Account, 13-1130 for the undersigned firm.

It is believed that the application is now ready to be passed to Allowance and issue.

Respectfully submitted,



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